

Metrisches ISO-Gewinde

Grenzmaße für Feingewinde von 182 bis 250 mm Nenn Durchmesser
mit gebräuchlichen Toleranzfeldern

DIN

13

Blatt 25

ISO metric fine threads from 182 to 250 mm diameter; limits
Filetages métriques ISO à pas fin du diamètre de 182 à 250 mm;
dimension limits

Teilweise Ersatz für
DIN 13 Blatt 43

Maße in mm

Die Grenzmaße der Feingewinde mit den gebräuchlichen Toleranzfeldern (siehe DIN 13 Blatt 14) sind aus den Gewinde-Nennmaßen nach DIN 13 Blatt 5 bis Blatt 11 und den Abmaßen und Toleranzen nach DIN 13 Blatt 15 errechnet worden. Grenzmaße für Gewinde nach Toleranzfeldern, die in dieser Norm nicht enthalten sind, können aus den Abmaßen nach DIN 13 Blatt 27 (z. Z. noch Entwurf) errechnet werden.

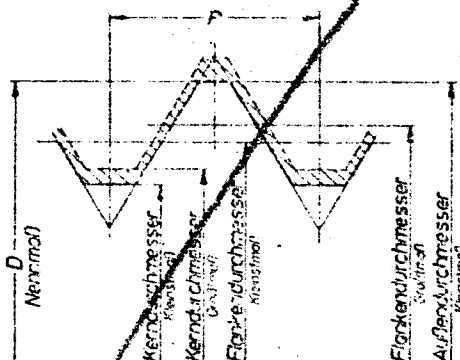


Bild 1. Muttergewinde in Toleranzlage H

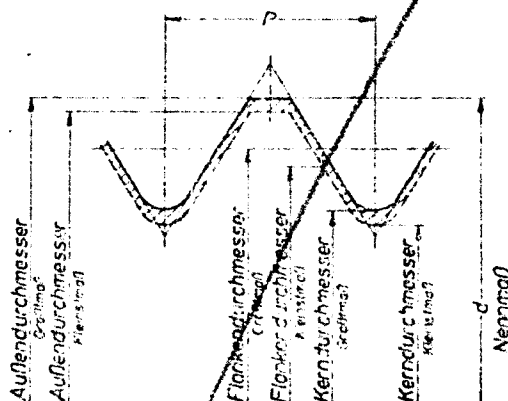


Bild 2. Bolzensgewinde in Toleranzlage h

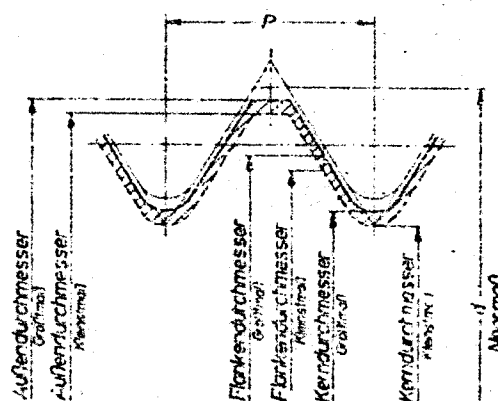


Bild 3. Bolzensgewinde in Toleranzlage g

Fortsetzung Seite 2 bis 9

Ausschuß Gewinde im Deutschen Normenausschuß (DNA)

Frühere Ausgaben:
DIN 13 Blatt 43: 8.65

Änderung Februar 1973:
Gegenüber DIN 13 Blatt 43 Norm vollständig überarbeitet und den geltenden ISO-Empfehlungen angepaßt; siehe auch Erläuterungen in DIN 13 Blatt 1.

Nachdruck, auch auszugsweise, nur mit Genehmigung des Deutschen Normenausschusses, Berlin 30, gestattet.

Gewinde- Nenndurchmesser $d=D$	Steigung P	Toleranzfeld	Muttergewinde						Toleranzfeld	Bolzensgewinde					
			Außen- durchmesser D	Flanken- durchmesser D_2		Kern- durchmesser D_1		Außen- durchmesser d		Flanken- durchmesser d_2		Kern- durchmesser d_3			
				Klein- maß	Größt- maß	Klein- maß	Größt- maß			Größt- maß	Klein- maß	Größt- maß	Klein- maß		
182	1	5H	182,000	181,350	181,520	180,917	181,107	4h	182,000	181,888	181,350	181,250	180,773	180,601	
	1	6H	182,000	181,350	181,562	180,917	181,153	6g	181,974	181,794	181,324	181,164	180,747	180,515	
	1,5	5H	182,000	181,026	181,216	180,376	180,612	4h	182,000	181,850	181,026	180,914	180,160	179,940	
	1,5	6H	182,000	181,026	181,262	180,376	180,676	6g	181,968	181,732	180,994	180,814	180,128	179,840	
	1,5	7H	182,000	181,026	181,326	180,376	180,751								
	2	5H	182,000	180,701	180,925	179,835	180,135	4h	182,000	181,820	180,701	180,569	179,546	179,270	
	2	6H	182,000	180,701	180,981	179,835	180,210	6g	181,962	181,682	180,663	180,451	179,508	179,152	
	2	7H	182,000	180,701	181,056	179,835	180,310								
	3	5H	182,000	180,051	180,316	178,752	179,152	4h	182,000	181,764	180,051	179,891	178,319	177,943	
	3	6H	182,000	180,051	180,386	178,752	179,252	6g	181,957	181,577	180,003	179,753	178,271	177,805	
	3	7H	182,000	180,051	180,476	178,752	179,382	8g	181,952	181,352	180,003	179,603	178,271	177,655	
	4	5H	182,000	179,402	179,702	177,670	178,145	4h	182,000	181,700	179,402	179,222	177,093	176,625	
	4	6H	182,000	179,402	179,777	177,670	178,270	6g	181,940	181,465	179,342	179,062	177,033	176,465	
	4	7H	182,000	179,402	179,877	177,670	178,420	8g	181,940	181,190	169,342	178,892	177,033	176,295	
185	1	5H	185,000	184,350	184,520	183,917	184,107	4h	185,000	184,888	184,350	184,250	183,773	183,601	
	1	6H	185,000	184,350	184,562	183,917	184,153	6g	184,974	184,794	184,324	184,164	183,747	183,515	
	1,5	5H	185,000	184,026	184,216	183,376	183,612	4h	185,000	184,850	184,026	183,914	183,160	182,940	
	1,5	6H	185,000	184,026	184,262	183,376	183,676	6g	184,968	184,732	183,994	183,814	183,128	182,840	
	1,5	7H	185,000	184,026	184,326	183,376	183,751								
	2	5H	185,000	183,701	183,925	182,835	183,135	4h	185,000	184,820	183,701	183,569	182,546	182,270	
	2	6H	185,000	183,701	183,981	182,835	183,210	6g	184,962	184,682	183,663	183,451	182,508	182,152	
	2	7H	185,000	183,701	184,056	182,835	183,310								
	3	5H	185,000	183,051	183,316	181,752	182,152	4h	185,000	184,764	183,051	182,891	181,319	180,943	
	3	6H	185,000	183,051	183,386	181,752	182,252	6g	184,952	184,577	183,003	182,753	181,271	180,805	
	3	7H	185,000	183,051	183,476	181,752	182,382	8g	184,952	184,352	183,003	182,603	181,271	180,655	
	4	5H	185,000	182,402	182,702	180,670	181,145	4h	185,000	184,700	182,402	182,222	180,093	179,625	
	4	6H	185,000	182,402	182,777	180,670	181,270	6g	184,940	184,465	182,342	182,062	180,033	179,465	
	4	7H	185,000	182,402	182,877	180,670	181,420	8g	184,940	184,190	182,342	181,892	180,033	179,295	
	6	5H	185,000	181,103	181,438	178,505	179,135	4h	185,000	184,625	181,103	180,903	177,633	177,007	
	6	6H	185,000	181,103	181,528	178,505	179,305	6g	184,920	184,320	181,023	180,708	177,559	176,812	
	6	7H	185,000	181,103	181,633	178,505	179,505	8g	184,920	183,970	181,023	180,523	177,559	176,627	
188	1	5H	188,000	187,350	187,520	186,917	187,107	4h	188,000	187,888	187,350	187,250	186,773	186,601	
	1	6H	188,000	187,350	187,562	186,917	187,153	6g	187,974	187,794	187,324	187,164	186,747	186,515	
	1,5	5H	188,000	187,026	187,216	186,376	186,612	4h	188,000	187,850	187,026	186,914	186,160	185,940	
	1,5	6H	188,000	187,026	187,262	186,376	186,676	6g	187,968	187,732	186,994	186,814	186,128	185,840	
	1,5	7H	188,000	187,026	187,326	186,376	186,751								
	2	5H	188,000	186,701	186,925	185,835	186,135	4h	188,000	187,820	186,701	186,569	185,546	185,270	
	2	6H	188,000	186,701	186,981	185,835	186,210	6g	187,962	187,682	186,663	186,451	185,508	185,152	
	2	7H	188,000	186,701	187,056	185,835	186,310								
	3	5H	188,000	186,051	186,316	184,752	185,152	4h	188,000	187,764	186,051	185,891	184,319	183,943	
	3	6H	188,000	186,051	186,386	184,752	185,252	6g	187,952	187,577	186,003	185,753	184,271	183,805	
	3	7H	188,000	186,051	186,476	184,752	185,382	8g	187,952	187,352	186,003	185,603	184,271	183,655	
	4	5H	188,000	185,402	185,702	183,670	184,145	4h	188,000	187,700	185,402	185,222	183,093	182,625	
	4	6H	188,000	185,402	185,777	183,670	184,270	6g	187,940	187,465	185,342	185,062	183,033	182,465	
	4	7H	188,000	185,402	185,877	183,670	184,420	8g	187,940	187,190	185,342	184,892	183,033	182,295	
190	1	5H	190,000	189,350	189,520	188,917	189,107	4h	190,000	189,888	189,350	189,250	188,773	188,601	
	1	6H	190,000	189,350	189,562	188,917	189,153	6g	189,974	189,794	189,324	189,164	188,747	188,515	
	1,5	5H	190,000	189,026	189,216	188,376	188,612	4h	190,000	189,850	189,026	188,914	188,160	187,940	
	1,5	6H	190,000	189,026	189,262	188,376	188,676	6g	189,968	189,732	188,994	188,814	188,128	187,840	
	1,5	7H	190,000	189,026	189,326	188,376	188,751								
	2	5H	190,000	188,701	188,925	187,835	188,135	4h	190,000	189,820	188,701	188,569	187,546	187,270	
	2	6H	190,000	188,701	188,981	187,835	188,210	6g	189,962	189,682	188,663	188,451	187,508	187,152	
	2	7H	190,000	188,701	189,056	187,835	188,310								
	3	5H	190,000	188,051	188,316	186,752	187,152	4h	190,000	189,764	188,051	187,891	186,319	185,943	
	3	6H	190,000	188,051	188,386	186,752	187,252	6g	189,952	189,577	188,003	187,753	186,271	185,805	
	3	7H	190,000	188,051	188,476	186,752	187,382	8g	189,952	189,352	188,003	187,603	186,271	185,655	

Gewinde- Nenndurchmesser $d=D$	Steigung P	Toleranzfeld	Muttergewinde						Toleranzfeld	Bolzensgewinde					
			Außen- durch- messer D	Flanken- durchmesser D_2			Kern- durchmesser D_1			Außen- durchmesser d	Flanken- durchmesser d_2		Kern- durchmesser d_1		
				Klein- maß	Klein- maß	Größt- maß	Klein- maß	Größt- maß			Größt- maß	Klein- maß	Größt- maß	Klein- maß	
190	4	5H	190,000	187,402	187,702	185,670	186,145	4h	190,000	189,700	187,402	187,222	185,093	184,625	
	4	6H	190,000	187,402	187,777	185,670	186,270	6g	189,940	189,465	187,342	187,062	185,033	184,465	
	4	7H	190,000	187,402	187,877	185,670	186,420	8g	189,940	189,190	187,342	186,892	185,033	184,295	
	6	5H	190,000	186,103	186,438	183,505	184,135	4h	190,000	189,625	186,103	185,903	182,639	182,007	
	6	6H	190,000	186,103	186,528	183,505	184,305	6g	189,920	189,320	186,023	185,708	182,559	181,812	
	6	7H	190,000	186,103	186,633	183,505	184,505	8g	189,920	188,970	186,023	185,523	182,559	181,627	
	8	5H	190,000	184,804	185,179	181,340	182,140	4h	190,000	189,550	184,804	184,580	180,185	179,385	
	8	6H	190,000	184,804	185,279	181,340	182,340	6g	189,900	189,190	184,704	184,349	180,085	179,154	
	8	7H	190,000	184,804	185,404	181,340	182,590	8g	189,900	188,720	184,704	184,144	180,085	178,949	
192	1	5H	192,000	191,350	191,520	190,917	191,107	4h	192,000	191,888	191,350	191,250	190,773	190,601	
	1	6H	192,000	191,350	191,562	190,917	191,153	6g	191,974	191,794	191,324	191,164	190,747	190,515	
	1,5	5H	192,000	191,026	191,216	190,376	190,612	4h	192,000	191,856	191,026	190,914	190,160	189,940	
	1,5	6H	192,000	191,026	191,262	190,376	190,676	6g	191,968	191,732	190,994	190,814	190,128	189,840	
	1,5	7H	192,000	191,026	191,326	190,376	190,751	8g	191,968	191,732	190,994	190,814	190,128	189,840	
	2	5H	192,000	190,701	190,925	189,835	190,135	4h	192,000	191,820	190,701	190,569	189,546	189,270	
	2	6H	192,000	190,701	190,981	189,835	190,210	6g	191,962	191,682	190,663	190,451	189,508	189,152	
	2	7H	192,000	190,701	191,056	189,835	190,310	8g	191,962	191,682	190,663	190,451	189,508	189,152	
	3	5H	192,000	190,051	190,316	188,752	189,152	4h	192,000	191,764	190,051	189,891	188,319	187,943	
	3	6H	192,000	190,051	190,386	188,752	189,252	6g	191,952	191,577	190,003	189,753	188,271	187,805	
	3	7H	192,000	190,051	190,476	188,752	189,382	8g	191,952	191,352	190,003	189,603	188,271	187,655	
	4	5H	192,000	189,402	189,732	187,670	188,145	4h	192,000	191,700	189,402	189,222	187,092	186,625	
4	6H	192,000	189,402	189,777	187,670	188,270	6g	191,940	191,465	189,342	189,062	187,033	186,465		
4	7H	192,000	189,402	189,877	187,670	188,420	8g	191,940	191,190	189,342	188,892	187,033	186,295		
195	1	5H	195,000	194,350	194,525	193,917	194,107	4h	195,000	194,888	194,350	194,250	193,773	193,601	
	1	6H	195,000	194,350	194,562	193,917	194,153	6g	194,974	194,794	194,324	194,164	193,747	193,515	
	1,5	5H	195,000	194,026	194,216	193,376	193,612	4h	195,000	194,850	194,026	193,914	193,160	192,940	
	1,5	6H	195,000	194,026	194,262	193,376	193,676	6g	194,968	194,732	193,994	193,814	193,128	192,840	
	1,5	7H	195,000	194,026	194,326	193,376	193,751	8g	194,968	194,732	193,994	193,814	193,128	192,840	
	2	5H	195,000	193,701	193,925	192,835	193,135	4h	195,000	194,820	193,701	193,569	192,546	192,270	
	2	6H	195,000	193,701	193,981	192,835	193,210	6g	194,962	194,682	193,663	193,451	192,508	192,152	
	2	7H	195,000	193,701	194,056	192,835	193,310	8g	194,962	194,682	193,663	193,451	192,508	192,152	
	3	5H	195,000	193,051	193,316	191,752	192,152	4h	195,000	194,764	193,051	192,891	191,319	190,943	
	3	6H	195,000	193,051	193,386	191,752	192,252	6g	194,952	194,577	193,003	192,753	191,271	190,805	
	3	7H	195,000	193,051	193,476	191,752	192,382	8g	194,952	194,352	193,003	192,603	191,271	190,655	
	4	5H	195,000	192,402	192,702	190,670	191,145	4h	195,000	194,700	192,402	192,222	190,092	189,625	
4	6H	195,000	192,402	192,777	190,670	191,270	6g	194,940	194,465	192,342	192,062	190,033	189,465		
4	7H	195,000	192,402	192,877	190,670	191,420	8g	194,940	194,190	192,342	191,892	190,033	189,295		
198	6	5H	195,000	191,103	191,438	188,505	189,135	4h	195,000	194,625	191,103	190,903	187,639	187,007	
	6	6H	195,000	191,103	191,528	188,505	189,305	6g	194,920	194,320	191,023	190,708	187,559	186,812	
	6	7H	195,000	191,103	191,633	188,505	189,505	8g	194,920	193,970	191,023	190,523	187,559	186,627	
	1	5H	198,000	197,350	197,520	196,917	197,107	4h	198,000	197,888	197,350	197,250	196,773	196,601	
	1	6H	198,000	197,350	197,562	196,917	197,153	6g	197,974	197,794	197,324	197,164	196,747	196,515	
	1,5	5H	198,000	197,026	197,216	196,376	196,612	4h	198,000	197,850	197,026	196,914	196,160	195,940	
198	1,5	6H	198,000	197,026	197,262	196,376	196,676	6g	197,968	197,732	196,994	196,814	196,128	195,840	
	1,5	7H	198,000	197,026	197,326	196,376	196,751	8g	197,968	197,732	196,994	196,814	196,128	195,840	
	2	5H	198,000	196,701	196,925	195,835	196,135	4h	198,000	197,820	196,701	196,569	195,546	195,270	
	2	6H	198,000	196,701	196,981	195,835	196,210	6g	197,962	197,682	196,663	196,451	195,508	195,152	
	2	7H	198,000	196,701	197,056	195,835	196,310	8g	197,962	197,682	196,663	196,451	195,508	195,152	
	3	5H	198,000	196,051	196,316	194,752	195,152	4h	198,000	197,764	196,051	195,891	194,319	193,943	
	3	6H	198,000	196,051	196,386	194,752	195,252	6g	197,952	197,577	196,003	195,753	194,271	193,805	
	3	7H	198,000	196,051	196,476	194,752	195,382	8g	197,952	197,352	196,003	195,603	194,271	193,655	
	4	5H	198,000	195,402	195,702	193,670	194,145	4h	198,000	197,700	195,402	195,222	193,093	192,625	
	4	6H	198,000	195,402	195,777	193,670	194,270	6g	197,940	197,465	195,342	195,062	193,033	192,465	
	4	7H	198,000	195,402	195,877	193,670	194,420	8g	197,940	197,190	195,342	194,892	193,033	192,295	
	200	1	5H	200,000	199,350	199,520	198,917	199,107	4h	200,000	199,888	199,350	199,250	198,773	198,601
1		6H	200,000	199,350	199,562	198,917	199,153	6g	199,974	199,794	199,324	199,164	198,747	198,515	

Gewinde- Nenndurchmesser $d = D$	Steigung P	Toleranzfeld	Muttergewinde						Toleranzfeld	Bolzensgewinde					
			Außen- durch- messer D	Flanken- durchmesser D_2		Kern- durchmesser D_1		Außen- durch- messer d		Flanken- durchmesser d_2		Kern- durchmesser d_3			
				Klein- maß	Größt- maß	Klein- maß	Größt- maß			Größt- maß	Klein- maß	Größt- maß	Klein- maß		
200	1,5	5H	200,000	199,026	199,216	198,376	198,612	4h	200,000	199,850	199,026	198,914	198,160	197,940	
	1,5	6H	200,000	199,026	199,262	198,376	198,676	6g	199,968	199,732	198,994	198,814	198,128	197,840	
	1,5	7H	200,000	199,026	199,326	198,376	198,751								
	2	5H	200,000	198,701	198,925	197,835	198,135	4h	200,000	199,820	198,701	198,569	197,516	197,270	
	2	6H	200,000	198,701	198,981	197,835	198,210	6g	199,962	199,682	198,663	198,451	197,508	197,152	
	2	7H	200,000	198,701	199,056	197,835	198,310								
	3	5H	200,000	198,051	198,316	196,752	197,152	4h	200,000	199,764	198,051	197,891	196,319	195,943	
	3	6H	200,000	198,051	198,386	196,752	197,262	6g	199,952	199,577	198,003	197,753	196,271	195,805	
	3	7H	200,000	198,051	198,476	196,752	197,382	8g	199,952	199,352	198,003	197,603	196,271	195,655	
	4	5H	200,000	197,402	197,702	195,670	196,145	4h	200,000	199,700	197,402	197,222	195,093	194,625	
	4	6H	200,000	197,402	197,777	195,670	196,270	6g	199,940	199,465	197,342	197,062	195,033	194,465	
	4	7H	200,000	197,402	197,877	195,670	196,420	8g	199,940	199,190	197,342	196,892	195,033	194,295	
	6	5H	200,000	196,103	196,438	193,505	194,135	4h	200,000	199,625	196,103	195,903	192,639	192,007	
	6	6H	200,000	196,103	196,528	193,505	194,305	6g	199,920	199,320	196,023	195,708	192,559	191,812	
	6	7H	200,000	196,103	196,633	193,505	194,505	8g	199,920	198,970	196,023	195,523	192,559	191,627	
	8	5H	200,000	194,804	195,179	191,340	192,140	4h	200,000	199,550	194,804	194,580	190,185	189,385	
	8	6H	200,000	194,804	195,279	191,340	192,349	6g	199,900	199,190	194,704	194,349	190,035	189,154	
	8	7H	200,000	194,804	195,404	191,340	192,590	8g	199,900	198,720	194,704	194,144	190,035	188,949	
202	1,5	5H	202,000	201,026	201,216	200,376	200,612	4h	202,000	201,850	201,026	200,914	200,160	199,940	
	1,5	6H	202,000	201,026	201,262	200,376	200,676	6g	201,968	201,732	200,994	200,814	200,128	199,840	
	1,5	7H	202,000	201,026	201,326	200,376	200,751								
	2	5H	202,000	200,701	200,925	199,835	200,135	4h	202,000	201,820	200,701	200,569	199,516	199,270	
	2	6H	202,000	200,701	200,981	199,835	200,210	6g	201,962	201,682	200,663	200,451	199,508	199,152	
	2	7H	202,000	200,701	201,056	199,835	200,310								
	3	5H	202,000	200,051	200,316	198,752	199,152	4h	202,000	201,764	200,051	199,891	198,319	197,943	
	3	6H	202,000	200,051	200,386	198,752	199,252	6g	201,952	201,577	200,003	199,753	198,271	197,805	
	3	7H	202,000	200,051	200,476	198,752	199,382	8g	201,952	201,352	200,003	199,603	198,271	197,655	
	4	5H	202,000	199,402	199,702	197,670	198,145	4h	202,000	201,700	199,402	199,222	197,093	196,625	
	4	6H	202,000	199,402	199,777	197,670	198,270	6g	201,940	201,465	199,342	199,062	197,033	196,465	
	4	7H	202,000	199,402	199,877	197,670	198,420	8g	201,940	201,190	199,342	198,892	197,033	196,295	
205	1,5	5H	205,000	204,026	204,216	203,376	203,612	4h	205,000	204,850	204,026	203,914	203,160	202,940	
	1,5	6H	205,000	204,026	204,262	203,376	203,676	6g	204,968	204,732	203,994	203,814	203,128	202,840	
	1,5	7H	205,000	204,026	204,326	203,376	203,751								
	2	5H	205,000	203,701	203,925	202,835	203,135	4h	205,000	204,820	203,701	203,569	202,516	202,270	
	2	6H	205,000	203,701	203,981	202,835	203,210	6g	204,962	204,682	203,663	203,451	202,508	202,152	
	2	7H	205,000	203,701	204,056	202,835	203,310								
	3	5H	205,000	203,051	203,316	201,752	202,152	4h	205,000	204,764	203,051	202,891	201,319	200,943	
	3	6H	205,000	203,051	203,386	201,752	202,252	6g	204,952	204,577	203,003	202,753	201,271	200,805	
	3	7H	205,000	203,051	203,476	201,752	202,382	8g	204,952	204,352	203,003	202,603	201,271	200,655	
	4	5H	205,000	202,402	202,702	200,670	201,145	4h	205,000	204,700	202,402	202,222	200,093	199,625	
	4	6H	205,000	202,402	202,777	200,670	201,270	6g	204,940	204,465	202,342	202,062	200,033	199,465	
	4	7H	205,000	202,402	202,877	200,670	201,420	8g	204,940	204,190	202,342	201,892	200,033	199,295	
6	5H	205,000	201,103	201,338	198,505	199,135	4h	205,000	204,625	201,103	200,903	197,639	197,007		
6	6H	205,000	201,103	201,388	198,505	199,305	6g	204,920	204,320	201,023	200,708	197,559	196,812		
6	7H	205,000	201,103	201,633	198,505	199,505	8g	204,920	203,970	201,023	200,523	197,559	196,627		
208	1,5	5H	208,000	207,026	207,216	206,376	206,612	4h	208,000	207,850	207,026	206,914	206,160	205,940	
	1,5	6H	208,000	207,026	207,262	206,376	206,676	6g	207,968	207,732	206,994	206,814	206,128	205,840	
	1,5	7H	208,000	207,026	207,326	206,376	206,751								
	2	5H	208,000	206,701	206,925	205,835	206,135	4h	208,000	207,820	206,701	206,569	205,516	205,270	
	2	6H	208,000	206,701	206,981	205,835	206,210	6g	207,962	207,682	206,663	206,451	205,508	205,152	
	2	7H	208,000	206,701	207,056	205,835	206,310								
	3	5H	208,000	206,051	206,316	204,752	205,152	4h	208,000	207,764	206,051	205,891	204,319	203,943	
	3	6H	208,000	206,051	206,386	204,752	205,252	6g	207,952	207,577	206,003	205,753	204,271	203,805	
	3	7H	208,000	206,051	206,476	204,752	205,382	8g	207,952	207,352	206,003	205,603	204,271	203,655	
	4	5H	208,000	205,402	205,702	203,670	204,145	4h	208,000	207,700	205,402	205,222	203,093	202,625	
	4	6H	208,000	205,402	205,777	203,670	204,270	6g	207,940	207,465	205,342	205,062	203,033	202,465	
	4	7H	208,000	205,402	205,877	203,670	204,420	8g	207,940	207,190	205,342	204,892	203,033	202,295	

Gewinde- Nenndurchmesser $d = D$	Steigung P	Toleranzfeld	Muttergewinde						Toleranzfeld	Bolzensgewinde					
			Außen- durch- messer D	Flanken- durchmesser D_2		Kern- durchmesser D_1		Außen- durchmesser d		Flanken- durchmesser d_2		Kern- durchmesser d_3			
				Klein- maß	Größt- maß	Klein- maß	Größt- maß			Größt- maß	Klein- maß	Größt- maß	Klein- maß		
216	1,5	5H	210,000	209,026	209,216	208,376	208,612	4h	210,000	209,850	209,026	208,914	208,160	207,940	
	1,5	6H	210,000	209,026	209,262	208,376	208,676	6g	209,968	209,732	208,994	208,814	208,128	207,840	
	1,5	7H	210,000	209,026	209,326	208,376	208,751								
	2	5H	210,000	208,701	208,925	207,835	208,135	4h	210,000	209,820	208,701	208,569	207,546	207,270	
	2	6H	210,000	208,701	208,981	207,835	208,210	6g	209,962	209,652	208,663	208,451	207,508	207,152	
	2	7H	210,000	208,701	209,056	207,835	208,310								
	3	5H	210,000	208,051	208,316	206,752	207,152	4h	210,000	209,764	208,051	207,891	206,519	205,943	
	3	6H	210,000	208,051	208,386	206,752	207,252	6g	209,952	209,577	208,003	207,753	206,271	205,805	
	3	7H	210,000	208,051	208,476	206,752	207,382	8g	209,952	209,352	208,003	207,603	206,271	205,655	
	4	5H	210,000	207,402	207,702	205,670	206,145	4h	210,000	209,700	207,402	207,222	205,093	204,625	
	4	6H	210,000	207,402	207,777	205,670	206,270	6g	209,940	209,465	207,342	207,062	205,033	204,465	
	4	7H	210,000	207,402	207,877	205,670	206,420	8g	209,940	209,190	207,342	206,892	205,033	204,295	
	6	5H	210,000	206,103	206,438	203,505	204,135	4h	210,000	209,625	206,103	205,903	202,639	202,007	
	6	6H	210,000	206,103	206,523	203,505	204,305	6g	209,920	209,320	206,023	205,708	202,559	201,912	
	6	7H	210,000	206,103	206,533	203,505	204,505	8g	209,920	209,370	206,023	205,523	202,559	201,627	
	8	5H	210,000	204,804	205,179	201,340	202,140	4h	210,000	209,550	204,804	204,580	200,185	199,355	
	8	6H	210,000	204,804	205,279	201,340	202,340	6g	209,900	209,190	204,704	204,349	200,085	199,154	
	8	7H	210,000	204,804	205,404	201,340	202,590	8g	209,900	209,720	204,704	204,144	200,085	199,949	
212	1,5	5H	212,000	211,026	211,216	210,376	210,612	4h	212,000	211,850	211,026	210,914	210,160	209,940	
	1,5	6H	212,000	211,026	211,262	210,376	210,676	6g	211,968	211,732	210,994	210,814	210,128	209,840	
	1,5	7H	212,000	211,026	211,326	210,376	210,751								
	2	5H	212,000	210,701	210,925	209,835	210,135	4h	212,000	211,820	210,701	210,569	209,546	209,270	
	2	6H	212,000	210,701	210,981	209,835	210,210	6g	211,962	211,682	210,663	210,451	209,508	209,152	
	2	7H	212,000	210,701	211,056	209,835	210,310								
	3	5H	212,000	210,051	210,316	208,752	209,152	4h	212,000	211,764	210,051	209,891	208,519	207,943	
	3	6H	212,000	210,051	210,386	208,752	209,252	6g	211,952	211,577	210,003	209,753	208,271	207,805	
	3	7H	212,000	210,051	210,476	208,752	209,382	8g	211,952	211,352	210,003	209,603	208,271	207,655	
	4	5H	212,000	209,402	209,702	207,670	208,145	4h	212,000	211,700	209,402	209,222	207,093	206,625	
	4	6H	212,000	209,402	209,777	207,670	208,270	6g	211,940	211,465	209,342	209,062	207,033	206,465	
	4	7H	212,000	209,402	209,877	207,670	208,420	8g	211,940	211,190	209,342	208,892	207,033	206,295	
215	1,5	5H	215,000	214,026	214,216	213,376	213,612	4h	215,000	214,850	214,026	213,914	213,160	212,940	
	1,5	6H	215,000	214,026	214,262	213,376	213,676	6g	214,968	214,732	213,994	213,814	213,128	212,840	
	1,5	7H	215,000	214,026	214,326	213,376	213,751								
	2	5H	215,000	213,701	213,925	212,835	213,135	4h	215,000	214,820	213,701	213,569	212,546	212,270	
	2	6H	215,000	213,701	213,981	212,835	213,210	6g	214,962	214,682	213,663	213,451	212,508	212,152	
	2	7H	215,000	213,701	214,056	212,835	213,310								
	3	5H	215,000	213,051	213,316	211,752	212,152	4h	215,000	214,764	213,051	212,891	211,519	210,943	
	3	6H	215,000	213,051	213,386	211,752	212,252	6g	214,952	214,577	213,003	212,753	211,271	210,805	
	3	7H	215,000	213,051	213,476	211,752	212,382	8g	214,952	214,352	213,003	212,603	211,271	210,655	
	4	5H	215,000	212,402	212,702	210,670	211,145	4h	215,000	214,700	212,402	212,222	210,093	209,625	
	4	6H	215,000	212,402	212,777	210,670	211,270	6g	214,940	214,465	212,342	212,062	210,033	209,465	
	4	7H	215,000	212,402	212,877	210,670	211,420	8g	214,940	214,190	212,342	211,892	210,033	209,295	
	6	5H	215,000	211,103	211,438	208,505	209,135	4h	215,000	214,625	211,103	210,903	207,639	207,007	
	6	6H	215,000	211,103	211,528	208,505	209,305	6g	214,920	214,320	211,023	210,708	207,559	206,812	
	6	7H	215,000	211,103	211,633	208,505	209,505	8g	214,920	213,970	211,023	210,523	207,559	206,627	
218	1,5	5H	218,000	217,026	217,216	216,376	216,612	4h	218,000	217,850	217,026	216,914	216,160	215,940	
	1,5	6H	218,000	217,026	217,262	216,376	216,676	6g	217,968	217,732	216,994	216,814	216,128	215,840	
	1,5	7H	218,000	217,026	217,326	216,376	216,751								
	2	5H	218,000	216,701	216,925	215,835	216,135	4h	218,000	217,820	216,701	216,569	215,546	215,270	
	2	6H	218,000	216,701	216,981	215,835	216,210	6g	217,962	217,682	216,663	216,451	215,508	215,152	
	2	7H	218,000	216,701	217,056	215,835	216,310								
	3	5H	218,000	216,051	216,316	214,752	215,152	4h	218,000	217,764	216,051	215,891	214,519	213,943	
	3	6H	218,000	216,051	216,386	214,752	215,252	6g	217,952	217,577	216,003	215,753	214,271	213,805	
	3	7H	218,000	216,051	216,476	214,752	215,382	8g	217,952	217,352	216,003	215,603	214,271	213,655	
	4	5H	218,000	215,402	215,702	213,670	214,145	4h	218,000	217,700	215,402	215,222	213,093	212,625	
	4	6H	218,000	215,402	215,777	213,670	214,270	6g	217,940	217,465	215,342	215,062	213,033	212,465	
	4	7H	218,000	215,402	215,877	213,670	214,420	8g	217,940	217,190	215,342	214,892	213,033	212,295	

Gewinde- Nenndurchmesser $d=D$	Steigung P	Toleranzfeld	Muttergewinde						Toleranzfeld	Bolzensgewinde					
			Außen- durch- messer D	Flanken- durchmesser D_2		Kern- durchmesser D_1		Außen- durchmesser d		Flanken- durchmesser d_2		Kern- durchmesser d_3			
				Klein- maß	Größt- maß	Klein- maß	Größt- maß			Größt- maß	Klein- maß	Größt- maß	Klein- maß		
220	1,5	5H	220,000	219,026	219,216	218,376	218,612	4h	220,000	219,850	219,026	218,914	218,160	217,940	
	1,5	6H	220,000	219,026	219,252	218,376	218,676	6g	219,968	219,732	218,994	218,814	218,128	217,840	
	1,5	7H	220,000	219,026	219,326	218,376	218,751								
	2	5H	220,000	218,701	218,925	217,835	218,135	4h	220,000	219,820	218,701	218,569	217,546	217,270	
	2	6H	220,000	218,701	218,931	217,835	218,210	6g	219,962	219,682	218,663	218,451	217,508	217,152	
	2	7H	220,000	218,701	219,056	217,835	218,310								
	3	5H	220,000	218,051	218,316	216,752	217,152	4h	220,000	219,764	218,051	217,891	216,319	215,943	
	3	6H	220,000	218,051	218,336	216,752	217,252	6g	219,952	219,577	218,003	217,753	216,271	215,805	
	3	7H	220,000	218,051	218,476	216,752	217,382	8g	219,952	219,352	218,003	217,603	216,271	215,655	
	4	5H	220,000	217,402	217,702	215,670	216,145	4h	220,000	219,700	217,402	217,222	215,093	214,625	
	4	6H	220,000	217,402	217,777	215,670	216,270	6g	219,940	219,465	217,342	217,062	215,033	214,465	
	4	7H	220,000	217,402	217,877	215,670	216,420	8g	219,940	219,190	217,342	216,892	215,033	214,295	
	6	5H	220,000	216,103	216,438	213,505	214,135	4h	220,000	219,625	216,103	215,903	212,559	212,007	
	6	6H	220,000	216,103	216,528	213,505	214,305	6g	219,920	219,320	216,023	215,708	212,559	211,812	
	6	7H	220,000	216,103	216,633	213,505	214,505	8g	219,920	218,970	216,023	215,523	212,559	211,627	
	8	5H	220,000	214,804	215,179	211,340	212,140	4h	220,000	219,550	214,804	214,580	210,155	209,385	
	8	6H	220,000	214,804	215,279	211,340	212,240	6g	219,900	219,190	214,704	214,349	210,085	209,154	
	8	7H	220,000	214,804	215,404	211,340	212,590	8g	219,900	218,720	214,704	214,144	210,085	208,919	
222	1,5	5H	222,000	221,026	221,216	220,376	220,612	4h	222,000	221,850	221,026	220,914	220,160	219,940	
	1,5	6H	222,000	221,026	221,252	220,376	220,676	6g	221,968	221,732	220,994	220,814	220,128	219,840	
	1,5	7H	222,000	221,026	221,326	220,376	220,751								
	2	5H	222,000	220,701	220,925	219,835	220,135	4h	222,000	221,820	220,701	220,569	219,546	219,270	
	2	6H	222,000	220,701	220,981	219,835	220,210	6g	221,962	221,682	220,663	220,451	219,508	219,152	
	2	7H	222,000	220,701	221,056	219,835	220,310								
	3	5H	222,000	220,051	220,316	218,752	219,152	4h	222,000	221,764	220,051	219,891	218,319	217,943	
	3	6H	222,000	220,051	220,336	218,752	219,252	6g	221,952	221,577	220,003	219,753	218,271	217,805	
	3	7H	222,000	220,051	220,476	218,752	219,382	8g	221,952	221,352	220,003	219,603	218,271	217,655	
	4	5H	222,000	219,402	219,702	217,670	218,145	4h	222,000	221,700	219,402	219,222	217,093	216,625	
	4	6H	222,000	219,402	219,777	217,670	218,270	6g	221,940	221,465	219,342	219,062	217,033	216,465	
	4	7H	222,000	219,402	219,877	217,670	218,420	8g	221,940	221,190	219,342	218,892	217,033	216,295	
225	1,5	5H	225,000	224,026	224,216	223,376	223,612	4h	225,000	224,850	224,026	223,914	223,160	222,940	
	1,5	6H	225,000	224,026	224,252	223,376	223,676	6g	224,968	224,732	223,994	223,814	223,128	222,840	
	1,5	7H	225,000	224,026	224,326	223,376	223,751								
	2	5H	225,000	223,701	223,925	222,835	223,135	4h	225,000	224,820	223,701	223,569	222,546	222,270	
	2	6H	225,000	223,701	223,981	222,835	223,210	6g	224,962	224,682	223,663	223,451	222,508	222,152	
	2	7H	225,000	223,701	224,056	222,835	223,310								
	3	5H	225,000	223,051	223,316	221,752	222,152	4h	225,000	224,764	223,051	222,891	221,319	220,943	
	3	6H	225,000	223,051	223,336	221,752	222,252	6g	224,952	224,577	223,003	222,753	221,271	220,805	
	3	7H	225,000	223,051	223,476	221,752	222,382	8g	224,952	224,352	223,003	222,603	221,271	220,655	
	4	5H	225,000	222,402	222,702	220,670	221,145	4h	225,000	224,700	222,402	222,222	220,093	219,625	
	4	6H	225,000	222,402	222,777	220,670	221,270	6g	224,940	224,465	222,342	222,062	220,033	219,465	
	4	7H	225,000	222,402	222,877	220,670	221,420	8g	224,940	224,190	222,342	221,892	220,033	219,295	
6	5H	225,000	221,103	221,438	218,505	219,135	4h	225,000	224,625	221,103	220,903	217,639	217,007		
6	6H	225,000	221,103	221,528	218,505	219,305	6g	224,920	224,320	221,023	220,708	217,559	216,812		
6	7H	225,000	221,103	221,633	218,505	219,505	8g	224,920	223,970	221,023	220,523	217,559	216,627		
228	1,5	5H	228,000	227,026	227,216	226,376	226,612	4h	228,000	227,850	227,026	226,914	226,160	225,940	
	1,5	6H	228,000	227,026	227,252	226,376	226,676	6g	227,968	227,732	226,994	226,814	226,128	225,840	
	1,5	7H	228,000	227,026	227,326	226,376	226,751								
	2	5H	228,000	226,701	226,925	225,835	226,135	4h	228,000	227,820	226,701	226,569	225,546	225,270	
	2	6H	228,000	226,701	226,981	225,835	226,210	6g	227,962	227,682	226,663	226,451	225,508	225,152	
	2	7H	228,000	226,701	227,056	225,835	226,310								
	3	5H	228,000	226,051	226,316	224,752	225,152	4h	228,000	227,764	226,051	225,891	224,319	223,943	
	3	6H	228,000	226,051	226,336	224,752	225,252	6g	227,952	227,577	226,003	225,753	224,271	223,805	
	3	7H	228,000	226,051	226,476	224,752	225,382	8g	227,952	227,352	226,003	225,603	224,271	223,655	
	4	5H	228,000	225,402	225,702	223,670	224,145	4h	228,000	227,700	225,402	225,222	223,093	222,625	
	4	6H	228,000	225,402	225,777	223,670	224,270	6g	227,940	227,465	225,342	225,062	223,033	222,465	
	4	7H	228,000	225,402	225,877	223,670	224,420	8g	227,940	227,190	225,342	224,892	223,033	222,295	

Gewinde- Nenndurchmesser $d = D$	Steigung P	Toleranzfeld	Muttergewinde						Toleranzfeld	Bolzensgewinde					
			Außen- durch- messer D	Flanken- durchmesser			Kern- durchmesser			Außen- durchmesser d	Flanken- durchmesser		Kern- durchmesser		
				D_2			d_1				d_2		d_3		
				Klein- maß	Klein- maß	Größt- maß	Klein- maß	Größt- maß			Größt- maß	Klein- maß	Größt- maß	Klein- maß	
230	1,5	5H	230,000	229,026	229,216	228,376	228,612	4h	230,000	229,850	229,026	228,914	228,160	227,940	
	1,5	6H	230,000	229,026	229,262	228,376	228,676	6g	229,968	229,732	228,994	228,814	228,128	227,840	
	1,5	7H	230,000	229,026	229,326	228,376	228,751								
	2	5H	230,000	228,701	228,925	227,835	228,135	4h	230,000	229,820	228,701	228,569	227,546	227,270	
	2	6H	230,000	228,701	228,981	227,835	228,210	6g	229,962	229,682	228,663	228,451	227,508	227,152	
	2	7H	230,000	228,701	229,056	227,835	228,310								
	3	5H	230,000	228,051	228,316	226,752	227,152	4h	230,000	229,764	228,051	227,891	226,319	225,943	
	3	6H	230,000	228,051	228,386	226,752	227,252	6g	229,952	229,577	228,003	227,753	226,271	225,805	
	3	7H	230,000	228,051	228,476	226,752	227,382	8g	229,952	229,352	228,003	227,603	226,271	225,655	
	4	5H	230,000	227,402	227,702	225,670	226,145	4h	230,000	229,700	227,402	227,222	225,093	224,625	
	4	6H	230,000	227,402	227,777	225,670	226,270	6g	229,940	229,465	227,342	227,062	225,033	224,465	
	4	7H	230,000	227,402	227,877	225,670	226,420	8g	229,940	229,190	227,342	226,892	225,033	224,295	
	6	5H	230,000	226,103	226,438	223,505	224,135	4h	230,000	229,625	226,103	225,903	222,639	222,007	
	6	6H	230,000	226,103	226,528	223,505	224,305	6g	229,920	229,320	226,023	225,708	222,559	221,812	
	6	7H	230,000	226,103	226,633	223,505	224,505	8g	229,920	228,970	226,023	225,523	222,559	221,627	
	8	5H	230,000	224,804	225,179	221,340	222,140	4h	230,000	229,550	224,804	224,560	220,185	219,385	
	8	6H	230,000	224,804	225,279	221,340	222,340	6g	229,900	229,150	224,704	224,319	220,055	219,154	
	8	7H	230,000	224,804	225,404	221,340	222,590	8g	229,900	228,720	224,704	224,144	220,085	219,549	
232	1,5	5H	232,000	231,026	231,216	230,376	230,612	4h	232,000	231,850	231,026	230,914	230,160	229,940	
	1,5	6H	232,000	231,026	231,262	230,376	230,676	6g	231,968	231,732	230,994	230,814	230,128	229,840	
	1,5	7H	232,000	231,026	231,326	230,376	230,751								
	2	5H	232,000	230,701	230,925	229,835	230,135	4h	232,000	231,820	230,701	230,569	229,546	229,270	
	2	6H	232,000	230,701	230,981	229,835	230,210	6g	231,962	231,682	230,663	230,451	229,508	229,152	
	2	7H	232,000	230,701	231,056	229,835	230,310								
	3	5H	232,000	230,051	230,316	228,752	229,152	4h	232,000	231,764	230,051	229,891	228,319	227,943	
	3	6H	232,000	230,051	230,386	228,752	229,252	6g	231,952	231,577	230,003	229,753	228,271	227,805	
	3	7H	232,000	230,051	230,476	228,752	229,382	8g	231,952	231,352	230,003	229,603	228,271	227,655	
	4	5H	232,000	229,402	229,702	227,670	228,145	4h	232,000	231,700	229,402	229,222	227,093	226,625	
	4	6H	232,000	229,402	229,777	227,670	228,270	6g	231,940	231,465	229,342	229,062	227,033	226,465	
	4	7H	232,000	229,402	229,877	227,670	228,420	8g	231,940	231,190	229,342	228,892	227,033	226,295	
235	1,5	5H	235,000	234,026	234,216	233,376	233,612	4h	235,000	234,850	234,026	233,914	233,160	232,940	
	1,5	6H	235,000	234,026	234,262	233,376	233,676	6g	234,968	234,732	233,994	233,814	233,128	232,840	
	1,5	7H	235,000	234,026	234,326	233,376	233,751								
	2	5H	235,000	233,701	233,925	232,835	233,135	4h	235,000	234,820	233,701	233,569	232,546	232,270	
	2	6H	235,000	233,701	233,981	232,835	233,210	6g	234,962	234,682	233,663	233,451	232,508	232,152	
	2	7H	235,000	233,701	234,056	232,835	233,310								
	3	5H	235,000	233,051	233,316	231,752	232,152	4h	235,000	234,764	233,051	232,891	231,319	230,943	
	3	6H	235,000	233,051	233,386	231,752	232,252	6g	234,952	234,577	233,003	232,753	231,271	230,805	
	3	7H	235,000	233,051	233,476	231,752	232,382	8g	234,952	234,352	233,003	232,603	231,271	230,655	
	4	5H	235,000	232,402	232,702	230,670	231,145	4h	235,000	234,700	232,402	232,222	230,093	229,625	
	4	6H	235,000	232,402	232,777	230,670	231,270	6g	234,940	234,465	232,342	232,062	230,033	229,465	
	4	7H	235,000	232,402	232,877	230,670	231,420	8g	234,940	234,190	232,342	231,892	230,033	229,295	
6	5H	235,000	231,103	231,438	228,505	229,135	4h	235,000	234,625	231,103	230,903	227,639	227,007		
6	6H	235,000	231,103	231,528	228,505	229,305	6g	234,920	234,320	231,023	230,708	227,559	226,812		
6	7H	235,000	231,103	231,633	228,505	229,505	8g	234,920	233,970	231,023	230,523	227,559	226,627		
238	1,5	5H	238,000	237,026	237,216	236,376	236,612	4h	238,000	237,850	237,026	236,914	236,160	235,940	
	1,5	6H	238,000	237,026	237,262	236,376	236,676	6g	237,968	237,732	236,994	236,814	236,128	235,840	
	1,5	7H	238,000	237,026	237,326	236,376	236,751								
	2	5H	238,000	236,701	236,925	235,835	236,135	4h	238,000	237,820	236,701	236,569	235,546	235,270	
	2	6H	238,000	236,701	236,981	235,835	236,210	6g	237,962	237,682	236,663	236,451	235,508	235,152	
	2	7H	238,000	236,701	237,056	235,835	236,310								
	3	5H	238,000	236,051	236,316	234,752	235,152	4h	238,000	237,764	236,051	235,891	234,319	233,943	
	3	6H	238,000	236,051	236,386	234,752	235,252	6g	237,952	237,577	236,003	235,753	234,271	233,805	
	3	7H	238,000	236,051	236,476	234,752	235,382	8g	237,952	237,352	236,003	235,603	234,271	233,655	
	4	5H	238,000	235,402	235,702	233,670	234,145	4h	238,000	237,700	235,402	235,222	233,093	232,625	
	4	6H	238,000	235,402	235,777	233,670	234,270	6g	237,940	237,465	235,342	235,062	233,033	232,465	
	4	7H	238,000	235,402	235,877	233,670	234,420	8g	237,940	237,190	235,342	234,892	233,033	232,295	

Gewinde- Nenndurchmesser $d - D$	Steigung P	Toleranzfeld	Muttergewinde						Toleranzfeld	Bolzensgewinde					
			Außen- durch- messer D	Flanken- durchmesser		Kern- durchmesser		Außen- durchmesser d		Flanken- durchmesser		Kern- durchmesser			
				D_2		D_1				d_2		d_3			
				Klein- maß	Größt- maß	Klein- maß	Größt- maß			Klein- maß	Größt- maß	Klein- maß	Größt- maß		
240	1,5	5H	240,000	239,026	239,216	238,376	238,612	4h	240,000	239,850	239,026	238,914	238,160	237,940	
	1,5	6H	240,000	239,026	239,262	238,376	238,676	6g	239,968	239,732	238,994	238,814	238,128	237,840	
	1,5	7H	240,000	239,026	239,326	238,376	238,751								
	2	5H	240,000	238,701	238,925	237,835	238,135	4h	240,000	239,820	238,701	238,569	237,546	237,270	
	2	6H	240,000	238,701	238,981	237,835	238,210	6g	239,962	239,682	238,663	238,451	237,508	237,152	
	2	7H	240,000	238,701	239,056	237,835	238,310								
	3	5H	240,000	238,051	238,316	236,752	237,152	4h	240,000	239,764	238,051	237,891	236,319	235,943	
	3	6H	240,000	238,051	238,386	236,752	237,252	6g	239,952	239,577	238,003	237,753	236,271	235,805	
	3	7H	240,000	238,051	238,476	236,752	237,382	8g	239,952	239,352	238,003	237,603	236,271	235,655	
	4	5H	240,000	237,402	237,702	235,670	236,145	4h	240,000	239,700	237,402	237,222	235,093	234,625	
	4	6H	240,000	237,402	237,777	235,670	236,270	6g	239,940	239,465	237,342	237,062	235,033	234,465	
	4	7H	240,000	237,402	237,877	235,670	236,420	8g	239,940	239,190	237,342	236,592	235,033	234,295	
	6	5H	240,000	236,103	236,438	233,505	234,135	4h	240,000	239,625	236,103	235,903	232,530	232,007	
	6	6H	240,000	236,103	236,528	233,505	234,305	6g	239,920	239,320	236,023	235,708	232,559	231,812	
	6	7H	240,000	236,103	236,633	233,505	234,505	8g	239,920	238,970	236,023	235,523	232,559	231,627	
	8	5H	240,000	234,804	235,179	231,340	232,140	4h	240,000	239,550	234,804	234,580	230,185	229,385	
	8	6H	240,000	234,804	235,279	231,340	232,340	6g	239,900	239,190	234,704	234,349	230,085	229,154	
	8	7H	240,000	234,804	235,404	231,340	232,590	8g	239,900	238,720	234,704	234,144	230,085	228,949	
242	1,5	5H	242,000	241,026	241,216	240,376	240,612	4h	242,000	241,850	241,026	240,914	240,160	239,940	
	1,5	6H	242,000	241,026	241,262	240,376	240,676	6g	241,968	241,732	240,994	240,814	240,128	239,840	
	1,5	7H	242,000	241,026	241,326	240,376	240,751								
	2	5H	242,000	240,701	240,925	239,835	240,135	4h	242,000	241,820	240,701	240,569	239,546	239,270	
	2	6H	242,000	240,701	240,981	239,835	240,210	6g	241,962	241,682	240,663	240,451	239,508	239,152	
	2	7H	242,000	240,701	241,056	239,835	240,310								
	3	5H	242,000	240,051	240,316	238,752	239,152	4h	242,000	241,764	240,051	239,891	238,319	237,943	
	3	6H	242,000	240,051	240,386	238,752	239,252	6g	241,952	241,577	240,003	239,753	238,271	237,805	
	3	7H	242,000	240,051	240,476	238,752	239,382	8g	241,952	241,352	240,003	239,603	238,271	237,655	
	4	5H	242,000	239,402	239,702	237,670	238,145	4h	242,000	241,700	239,402	239,222	237,093	236,625	
	4	6H	242,000	239,402	239,777	237,670	238,270	6g	241,940	241,465	239,342	239,062	237,033	236,465	
	4	7H	242,000	239,402	239,877	237,670	238,420	8g	241,940	241,190	239,342	238,892	237,033	236,295	
	6	5H	242,000	241,103	241,438	238,505	239,135	4h	242,000	241,625	241,103	240,903	237,639	237,007	
	6	6H	242,000	241,103	241,528	238,505	239,305	6g	241,920	241,320	241,023	240,708	237,559	236,812	
	6	7H	242,000	241,103	241,633	238,505	239,505	8g	241,920	241,170	241,023	240,523	237,559	236,627	
	8	5H	242,000	240,051	240,316	238,752	239,152	4h	242,000	241,764	240,051	239,891	238,319	237,943	
	8	6H	242,000	240,051	240,386	238,752	239,252	6g	241,952	241,577	240,003	239,753	238,271	237,805	
	8	7H	242,000	240,051	240,476	238,752	239,382	8g	241,952	241,352	240,003	239,603	238,271	237,655	
245	1,5	5H	245,000	244,026	244,216	243,376	243,612	4h	245,000	244,850	244,026	243,914	243,160	242,940	
	1,5	6H	245,000	244,026	244,262	243,376	243,676	6g	244,968	244,732	243,994	243,814	243,128	242,840	
	1,5	7H	245,000	244,026	244,326	243,376	243,751								
	2	5H	245,000	243,701	243,925	242,835	243,135	4h	245,000	244,820	243,701	243,569	242,546	242,270	
	2	6H	245,000	243,701	243,981	242,835	243,210	6g	244,962	244,682	243,663	243,451	242,508	242,152	
	2	7H	245,000	243,701	244,056	242,835	243,310								
	3	5H	245,000	243,051	243,316	241,752	242,152	4h	245,000	244,764	243,051	242,891	241,319	240,943	
	3	6H	245,000	243,051	243,386	241,752	242,252	6g	244,952	244,577	243,003	242,753	241,271	240,805	
	3	7H	245,000	243,051	243,476	241,752	242,382	8g	244,952	244,352	243,003	242,603	241,271	240,655	
	4	5H	245,000	242,402	242,702	240,670	241,145	4h	245,000	244,700	242,402	242,222	240,093	239,625	
	4	6H	245,000	242,402	242,777	240,670	241,270	6g	244,940	244,465	242,342	242,062	240,033	239,465	
	4	7H	245,000	242,402	242,877	240,670	241,420	8g	244,940	244,190	242,342	241,892	240,033	239,295	
	6	5H	245,000	241,103	241,438	238,505	239,135	4h	245,000	244,625	241,103	240,903	237,639	237,007	
	6	6H	245,000	241,103	241,528	238,505	239,305	6g	244,920	244,320	241,023	240,708	237,559	236,812	
	6	7H	245,000	241,103	241,633	238,505	239,505	8g	244,920	244,170	241,023	240,523	237,559	236,627	
	8	5H	245,000	240,051	240,316	238,752	239,152	4h	245,000	244,764	240,051	239,891	238,319	237,943	
	8	6H	245,000	240,051	240,386	238,752	239,252	6g	244,952	244,577	240,003	239,753	238,271	237,805	
	8	7H	245,000	240,051	240,476	238,752	239,382	8g	244,952	244,352	240,003	239,603	238,271	237,655	
248	1,5	5H	248,000	247,026	247,216	246,376	246,612	4h	248,000	247,850	247,026	246,914	246,160	245,940	
	1,5	6H	248,000	247,026	247,262	246,376	246,676	6g	247,968	247,732	246,994	246,814	246,128	245,840	
	1,5	7H	248,000	247,026	247,326	246,376	246,751								
	2	5H	248,000	246,701	246,925	245,835	246,135	4h	248,000	247,820	246,701	246,569	245,546	245,270	
	2	6H	248,000	246,701	246,981	245,835	246,210	6g	247,962	247,682	246,663	246,451	245,508	245,152	
	2	7H	248,000	246,701	247,056	245,835	246,310								
	3	5H	248,000	246,051	246,316	244,752	245,152	4h	248,000	247,764	246,051	245,891	244,319	243,943	
	3	6H	248,000	246,051	246,386	244,752	245,252	6g	247,952	247,577	246,003	245,753	244,271	243,805	
	3	7H	248,000	246,051	246,476	244,752	245,382	8g	247,952	247,352	246,003	245,603	244,271	243,655	
	4	5H	248,000	245,402	245,702	243,670	244,145	4h	248,000	247,700	245,402	245,222	243,093	242,625	
	4	6H	248,000	245,402	245,777	243,670	244,270	6g	247,940	247,465	245,342	245,062	243,033	242,465	
	4	7H	248,000	245,402	245,877	243,670	244,420	8g	247,940	247,190	245,342	244,892	243,033	242,295	
	6	5H	248,000	244,103	244,438	242,505	242,935	4h	248,000	247,625	244,103	243,903	241,639	241,007	
	6	6H	248,000	244,103	244,528	242,505	243,305	6g	247,920	247,320	244,023	243,708	241,559	240,812	
	6	7H	248,000	244,103	244,633	242,505	243,505	8g	247,920	247,170	244,023	243,523	241,559	240,627	
	8	5H	248,000	243,051	243,316	241,752	242,152	4h	248,000	247,764	243,051	242,891	241,319	240,943	
	8														

Gewinde- Nenndurchmesser $d = D$	Steigung P	Toleranzfeld	Muttergewinde						Toleranzfeld	Bolzensgewinde					
			Außen- durch- messer D	Flanken- durchmesser D_2		Kern- durchmesser D_1		Außen- durchmesser d		Flanken- durchmesser d_2		Kern- durchmesser d_3			
				Kleinst- maß	Größt- maß	Kleinst- maß	Größt- maß			Größt- maß	Kleinst- maß	Größt- maß	Kleinst- maß		
250	1,5	5H	250,000	249,026	249,216	248,376	248,612	4h	250,000	249,960	249,026	248,914	248,180	247,940	
	1,5	6H	250,000	249,026	249,262	248,376	248,676	6g	249,968	249,732	248,994	248,814	248,128	247,840	
	1,5	7H	250,000	249,026	249,326	248,376	248,751								
	2	5H	250,000	248,701	248,925	247,835	248,135	4h	250,000	249,820	248,701	248,569	247,546	247,270	
	2	6H	250,000	248,701	248,981	247,835	248,216	6g	249,862	249,682	248,663	248,451	247,508	247,152	
	2	7H	250,000	248,701	249,056	247,835	248,310								
	3	5H	250,000	248,051	248,316	246,752	247,152	4h	250,000	249,764	248,051	247,891	246,319	245,943	
	3	6H	250,000	248,051	248,386	246,752	247,252	6g	249,952	249,577	248,003	247,753	246,271	245,805	
	3	7H	250,000	248,051	248,476	246,752	247,382	8g	249,952	249,352	248,003	247,603	246,271	245,655	
	4	5H	250,000	247,402	247,702	245,670	246,115	4h	250,000	249,700	247,402	247,222	245,093	244,625	
	4	6H	250,000	247,402	247,777	245,670	246,270	6g	249,940	249,465	247,342	247,062	245,033	244,465	
	4	7H	250,000	247,402	247,877	245,670	246,420	8g	249,940	249,190	247,342	246,892	245,033	244,295	
	6	5H	250,000	246,103	246,438	243,505	244,135	4h	250,000	249,625	246,103	245,903	242,639	242,007	
	6	6H	250,000	246,103	246,525	243,505	244,305	6g	249,920	249,320	246,023	245,705	242,559	241,812	
	6	7H	250,000	246,103	246,653	243,505	244,505	8g	249,920	248,970	246,023	245,523	242,559	241,627	
	8	5H	250,000	244,804	245,179	241,340	242,140	4h	250,000	249,550	244,804	244,530	240,185	239,385	
	8	6H	250,000	244,804	245,279	241,340	242,340	6g	249,900	249,190	244,704	244,349	240,085	239,154	
	8	7H	250,000	244,804	245,464	241,340	242,590	8g	249,900	248,720	244,704	244,144	240,085	238,949	